

PUBLIC INPUT SUMMARY

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A.1 Overview

Significant public input was gathered from multiple efforts throughout the planning process, which helped shape the outcome of a majority of the recommendations in this Plan. Public input was solicited via three public workshops, public outreach, paper opinion forms, and an online interactive version of the opinion form. Significant effort to solicit input from minority populations was aided by a community outreach project conducted by a local graduate student. A Steering Committee, composed of Durham officials and residents, was created to guide and foster the development of this Plan. The variety and depth of public input sought to ensure that citizens of all cycling abilities and from all areas of Durham were expressed and represented.

A.2 Public Workshops

Three public workshops were conducted during the planning process, each drawing significant comment, suggestion, support and awareness for the project. Newsletters were created and distributed at each Public Workshop, to keep the public abreast of the planning process. Copies of these newsletters can be found on pages A-6 through A-9.

The initial public workshop was held in January of 2006 and introduced the project to the public. A presentation outlined the



Figure A.1 - January 2006 Public Workshop at Durham City Hall

planning process, project timeline and announced opportunities for public input. Additionally, base maps of Durham County were provided to gather input on desired bicycling routes, problem areas, areas of opportunity and existing bicycle facility identification.

The second public workshop was held in March of 2006, midway through the planning process. A presentation updated the public on the progress of the planning process to date, laid out tasks still to be completed, and illustrated initial opportunities and constraints. Preliminary network maps were presented and input on the proposed routes was solicited from the meeting attendees.

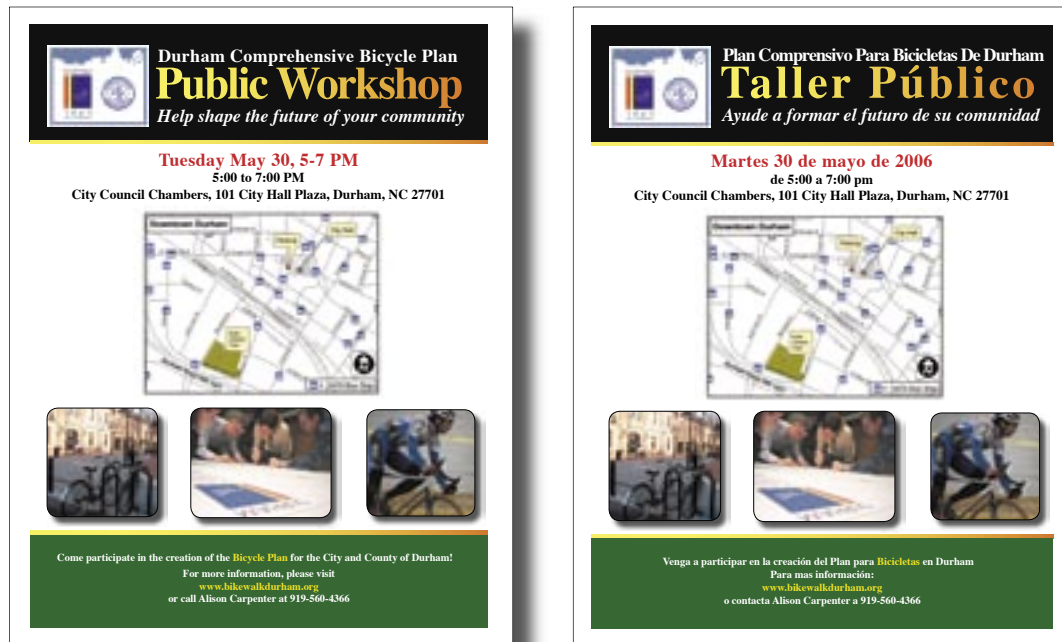


Figure A.2 - Public Workshop flyers were posted in both English and Spanish

The third and final public workshop was held in May of 2006, during the final phases of the project. Once again, a presentation updated the public on the status of the project and the tasks yet to be completed. Results from the online public opinion poll were presented and the final draft bicycle network recommendations were presented on large scale base maps for public critique and discussion.

A.3 Public Outreach

The Greenways Incorporated consultant team was assisted by a graduate student in social work from Smith College in seeking out and gathering public input for the plan from minority populations in Durham. Her focus was to inform these populations of the planning process and solicit input and feedback for the plan. Historically, these populations have been underrepresented in similar planning processes. Large percentages of the population of central and eastern Durham rely on bicycles and public transit as their primary means of transportation. Public



Figure A.3 - January 2006
Public Workshop



Figure A.4 - March 2006
Public Workshop

workshop flyers were distributed to locations across central and eastern Durham, while Spanish articles and press releases announcing the project were publicized in local Hispanic newspapers. Additionally, larger format Spanish and English posters announcing public workshop opportunities were created and displayed on the inside of local DATA buses.

In addition to targeted publicity for the plan, public input map comments were collected during smaller, neighborhood oriented information sessions. Public comment maps and public input forms were displayed at these sessions. An overwhelming majority of the input received came from minorities. These smaller group settings provided valuable input on the needs and concerns of the Durham's minority communities.

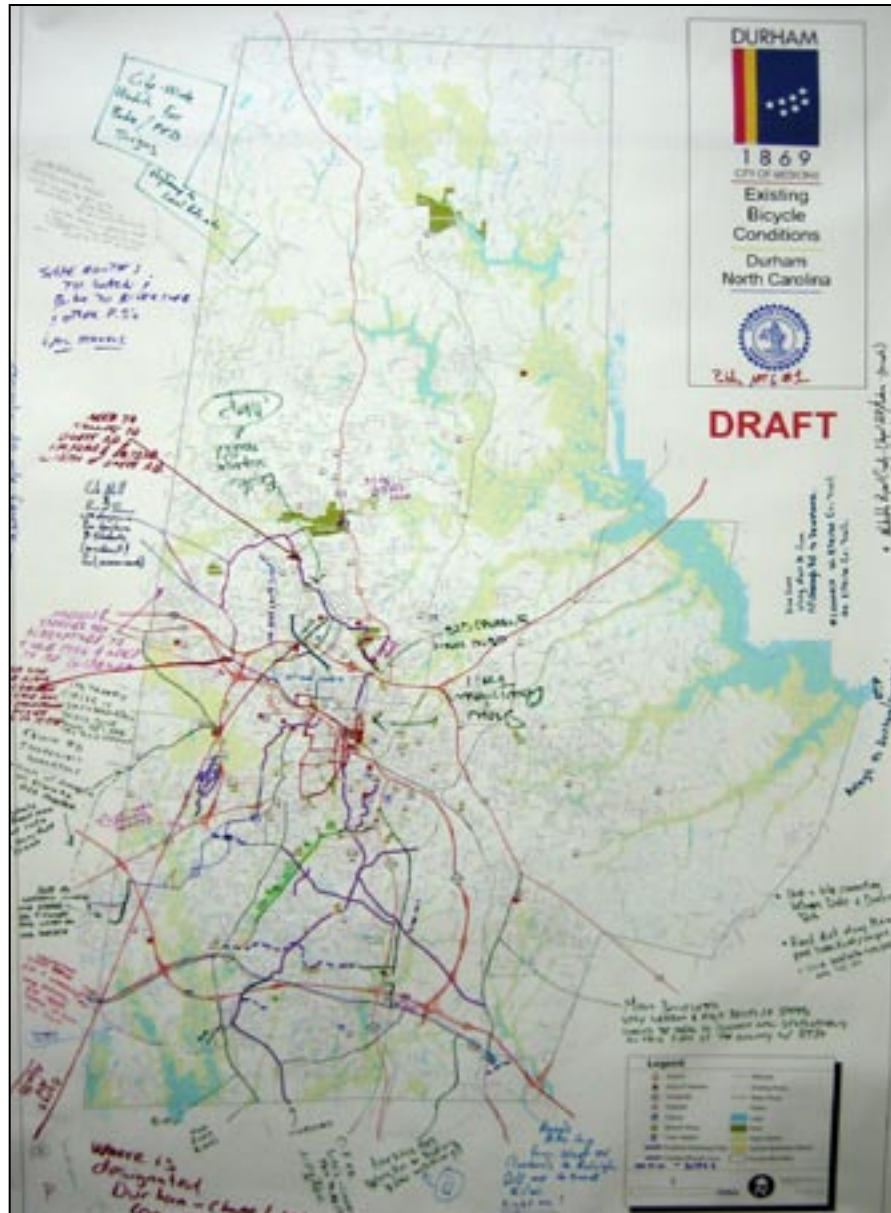


Figure A.6 - Example of a Public Input Mark Up Map after the
January 2006 Public Workshop



Figure A.5 - March 2006
Public Workshop



BICYCLE MASTER PLAN PROCESS IS UNDERWAY

The City of Durham has begun the process of preparing an updated bicycle master plan to address alternative transportation needs of city and county residents. The consultant team, lead by Greenways Incorporated (GWI) of Durham, includes Alta Planning & Design, Parsons Brinckerhoff and CLH Design. This team is working with the Durham Bicycle and Pedestrian Advisory Committee, Durham residents, elected officials, and the Durham transportation department staff to prepare the plan. The goal is to prepare a master plan that will improve bicycle facilities throughout the community.

The work program for updating the bicycle master plan includes conducting a thorough analysis of current bicycle facilities throughout the city and county, examining laws, regulations, policies and programs that affect bicycling, forecasting bicycle facility demand to better understand future needs, preparing a new and improved



A variety of bicycle facilities will be developed as a result of the updating the Durham Bicycle Master Plan.

The City of Durham seeks to promote a bicycle-friendly environment in which streets, off-road paths, and public spaces encourage bicycling by offering convenience, safety, access and attractiveness. An important tool for promoting a more bikeable Durham is the creation of a vision, policies and design standards that increase bicycle safety and access.

route network plan for the community that will define the type of bicycle facilities that should be developed, preparing a detailed funding and phasing program and addressing ways to make bicycling a more integral part of Durham's transportation network.

GWI will facilitate three sets of public workshops for the bicycle master plan. Workshops will occur in January, March and May of 2006. The dates and locations for these workshops will be announced at a future date. Durham residents can keep up-to-date with the planning process by visiting the Bicycle and Pedestrian Advisory web site, www.bikewalkdurham.org.

The final product of the consultants work will be an action plan report, route network map and individual facility maps for each of the bicycle corridors identified within the plan. The bicycle master plan will be developed in accordance with the North Carolina Department of Transportation, Office of Bicycle and Pedestrian Transportation, which is funding a majority of the work.



You are never too young to learn the proper way to ride a bike. Education, encouragement and enforcement will be components of the updated Durham Bicycle Master Plan.

Greenways Incorporated was selected as the lead consultant for the development of this plan due to their experience in the planning and design of bikeway, pedestrian, greenway, and multi-purpose trails plans in more than thirty two states and one hundred communities across the nation. Alta Planning is one of the most knowledgeable and experienced bicycle planning firms in the nation. Parsons Brinckerhoff is an international planning and engineering firm with a wealth of experience in transportation facilities of all kind. They are currently assisting Durham with its long range transportation improvement program. CLH Design is a woman-owned landscape architectural firm that has been working with Durham to assess and program public facility improvements in compliance with the Americans with Disabilities Act.

For more information, please visit:

www.bikewalkdurham.org
www.greenways.com

Or contact:

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Public Workshops in January 2006

The first set of public workshops on the Durham Bicycle Master Plan will take place in early January 2006.

Please visit the following web site to keep up to date with the day, time and locations for all public workshops

www.bikewalkdurham.org



Durham has an established network of roads that support a variety of bicycle activities -- for touring or commuting. The goal of the plan is to improve bicycle facilities for all users.





COMPREHENSIVE BICYCLE PLAN 2006

The City and County of Durham has begun the process of preparing an updated Comprehensive Bicycle Plan to address bicycling needs of city and county residents. The consultant team, lead by Greenways Incorporated (GWI) of Durham, includes Alta Planning & Design, Parsons Brinckerhoff and CLH Design. This team is working with the Durham Bicycle and Pedestrian Advisory Committee (BPAC), Durham residents, elected officials, and the Durham Transportation Department staff to prepare the plan. The goal is to prepare a comprehensive plan that will improve bicycling conditions throughout the community.

The GWI Team has been hard at work completing the initial tasks of the project. Existing plans, codes and policies have been analyzed and updated for incorporation in the updated plan. Significant GIS (geographic information system) analysis of existing and collected data has yielded a preliminary base map of existing bicycle facilities, as well as potential future opportunities. Fieldwork is underway throughout Durham, ranging from measuring roadway cross sections to analyzing problematic intersections and corridors.



An online public opinion form has been established and can be linked via the BPAC website, www.bikewalkdurham.org. Hundreds of responses have already been logged for incorporation in the final plan. The public opinion form contains questions targeted at locating specific problematic road corridors and intersections, in addition to gaining an understanding of existing cycling patterns across the study area. The remaining questions help illustrate needs, priorities and demands of Durham residents with respect to bicycling.



Road width measurements as part of field work in Durham

The next steps of the planning process involve completing the Draft Action Plan Report, continued fieldwork, roadway analysis, GIS mapping and additional public meetings. The purpose of these public workshops is to explain the planning process, gather public input, and identify key concerns, opportunities and constraints. The



Please Visit:
www.bikewalkdurham.org
 to complete the Public Opinion Poll



Example screen shot of the online public opinion form available at www.bikewalkdurham.org

next two public workshops are tentatively scheduled for March and May 2006, with the dates and locations to be announced at a future date. Durham residents can keep up-to-date with the planning process by visiting the BPAC website, www.bikewalkdurham.org.

The project is slated for completion in July 2006. The GWI team will produce and present an Action Plan Report, Route Network Map and individual facility maps for each of the bicycle corridors identified within the plan. The comprehensive bicycle plan will be developed in accordance with the North Carolina Department of Transportation, Office of Bicycle and Pedestrian Transportation.



A safe and comprehensive bicycle network is a vital component of Durham's transportation network

Project Timeline

- Task 1:** Project Kickoff Meeting - complete
- Task 2:** Identify Stakeholders and Develop Public Involvement Plan - in progress
- Form Citizens Bicycle Advisory Committee
- Conduct Public Open House Meetings
- Task 3:** Review Existing Data - in progress
- Task 4:** Analyze Existing Policies and Codes - in progress
- Task 5:** Bicycle Facility Design Guidelines and Standards March 2006
- Task 6:** Route Network Plan - March 2006
- Task 7:** Comprehensive Bicycle Transportation Plan Report and Map - May 2006
- Project Completion:** July 2006

For more information and updates, please visit:

www.bikewalkdurham.org
www.greenways.com

Or contact:

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Alison.Carpenter@durhamnc.gov

Brian Bergeler of Greenways Incorporated
brian.bergeler@greenways.com





COMPREHENSIVE BICYCLE PLAN 2006

Work is nearing completion on the Comprehensive Bicycle Plan for the City and County of Durham. The consultant team, lead by Greenways Incorporated (GWI) of Durham, includes Alta Planning & Design, Parsons Brinckerhoff and CLH Design. This team has been working with the Durham Bicycle Plan Steering Committee, Durham residents, elected officials, and the Durham Transportation Department staff to prepare the plan. The goal is to prepare a comprehensive plan that will improve bicycling conditions throughout the community for cyclists of all abilities.



Over fifty cyclists of all sorts gathered to enjoy a free breakfast provided by the Durham Bicycle and Pedestrian Advisory Committee on Bike to Work Day in Durham



A glimpse of the Proposed Bicycle Network for Durham. Go to www.bikewalkdurham.org for more details.

The GWI Consultant Team is in the final phases of the planning process and currently is finalizing the Comprehensive Bicycle Network Map and written Draft Action Plan to accompany it. A project timeline and task list is included on the back page of this newsletter. The January and March public workshops and online public opinion form generated significant input from Durham residents and have been key in shaping

Please Visit:
www.bikewalkdurham.org
 to stay up to date on the
 planning process



A safe and comprehensive bicycle network is a vital component of Durham's transportation network



Cyclists in Durham come in all shapes, sizes and ages

both the Draft Bicycle Network and Draft Action Plan. The final public workshop is scheduled for Tuesday May 30th from 5-7pm in the Durham City Council Chambers, on the first floor of City Hall at 101 City Hall Plaza in Downtown Durham.

The next steps of the planning process involve completing the Draft Action Plan Report, editing and finalizing the Draft Bicycle Network, and conducting presentations for the Durham City Council and Durham County Board of Commissioners. Please check out www.bikewalkdurham.org to stay up to date on the status of the project.

Project Time Line

- Task 1:** Project Kickoff Meeting - complete
- Task 2:** Identify Stakeholders and Develop Public Involvement Plan - complete
- Conduct Public Open House Meetings
- Task 3:** Review Existing Data - complete
- Task 4:** Analyze Existing Policies and Codes - complete
- Task 5:** Bicycle Facility Design Guidelines and Standards - complete
- Task 6:** Route Network Plan - May 2006
- Task 7:** Draft Comprehensive Bicycle Transportation Plan Report and Map - May 2006
- Project Completion:** July 2006
- City/County Council Presentations:** August 2006

For more information and updates, please visit:

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www.greenways.com

Or contact:

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Alison.Carpenter@durhamnc.gov

Brian Bergeler of Greenways Incorporated
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A.4 Public Opinion Form

An online survey was created for the Durham County Bicycle Plan. The consultant worked with the City of Durham to prepare questions and tabulate the results of this survey that received over 650 online and paper responses. The online survey link was made available on the Durham Bicycle and Pedestrian Advisory Committee's website (www.bikewalkdurham.org), distributed to numerous local email listserves and publicized at each of the public workshops. The survey contained 27 questions related to bicycling and demographics.

Multiple questions in this survey required respondents to rank options in order to answer a given question. For interpretation purposes, the average ranking of each option was used to make conclusions. In tabulation, a ranking of an option as #1 was assigned the highest value of rankable options; as the ranking order decreased, each subsequent choice was assigned a value 1 less than the previous, so the highest ranked option received the highest possible value and so on. The total values for each option were summed and divided by the total respondents that chose to rank the option. This value was used as the average ranking for each option.

A variety of respondents completed the survey ranging from on-road bicycle commuters, to cyclists who preferred off-road greenways, to non-bicyclists. In general, most respondents supported the concept of a more bikeable community. People wanted to bike to a number of locations with places of work, greenways/trails and parks being the top destinations. The leading factor that discouraged respondents from biking were a lack of bicycle facilities. A large majority of those who completed an online survey do not "trip-chain," or take their bicycle on a Durham (DATA) or Triangle (TTA) bus. Not every respondent answered every question.

A.5 Public Opinion Form Results

This section contains the questions from the public opinion form and their respective results compiled from completed paper and online forms.

PLAN PARA BICICLETAS

Por favor, tome unos minutos para completar este cuestionario corto. Su respuesta ayudará a construir una comprensión mejor de las necesidades y de las prioridades de las personas que usan bicicletas a menudo.

Este cuestionario es disponible también en el Internet por <http://www.bikewalkdurham.org> y, también por: www.bikewalkdurham.org

1) ¿A qué nivel le importa a usted la meta de mejorar las condiciones para montar en bicicleta en la comunidad? (encija una respuesta)

___ Muy importante
___ Algo importante
___ No importante

2) ¿Qué tan parecen a usted las condiciones corrientes de montar en bicicleta en el área de Durham? (encija una respuesta)

___ Excelente
___ Así, así
___ Malas

3) ¿Se deben utilizar los fondos públicos para mejorar opciones en el transporte bicicleta?

___ Sí
___ No

4) ¿Qué clases de fondos se deben utilizar para mejorar opciones en el transporte bicicleta? (encija todos que se apliquen)

___ Impuestos locales existentes
___ Nuevos impuestos locales
___ Fondos estatales o federales
___ Otro

5) ¿Cuánto frecuentemente usa usted una bicicleta? (encija una respuesta)

___ Nunca
___ Una vez por mes
___ Una vez por semana
___ Más que cinco veces por semana

6) ¿Cuántas bicicletas usted tiene en su casa? (encija una respuesta)

___ 0
___ 1
___ 2
___ 3
___ 4
___ 5+

7) ¿Qué términos mejor describen su nivel actual de usar una bicicleta? (encija todos que se apliquen)

___ No uso bicicleta
___ Uso bicicleta de vez en cuando para diversion, ejercicio, o viajes cortos
___ Uso bicicleta con regularidad para diversion
___ Uso bicicleta con regularidad para ir a trabajo
___ Uso bicicleta de vez en cuando a montar estilo a montaña (o sea, no utilizar las calles o carreteras)
___ Uso bicicleta con regularidad a montar estilo a montaña (o sea, no utilizar las calles o carreteras)

BICYCLE PLAN PUBLIC INPUT

Please take a few moments to fill out this short questionnaire. Your response will help to build a better understanding of area needs and priorities. Even if you don't bicycle regularly, your feedback will be helpful.

This survey is also available online at <http://www.bikewalkdurham.org> and www.bikewalkdurham.org

1) How important to you is the goal of improving conditions for bicycling in the community? (select one)

___ Very important
___ Somewhat important
___ Not important

2) How do you rate present bicycling conditions in the Durham area? (select one)

___ Excellent
___ Average
___ Insufficient

3) Should public funds be used to improve bicycle transportation options? (yes/no)

___ yes
___ no

4) Which types of funds should be used to improve bicycle transportation options? (please check all that apply)

___ Existing local taxes
___ New local taxes
___ State and federal grants
___ Other (please specify)

5) How frequently do you bicycle (select one)

___ Never
___ Few times per month
___ Few times per week
___ 5+ times per week

6) How many bicycles do you have in your household? (select one)

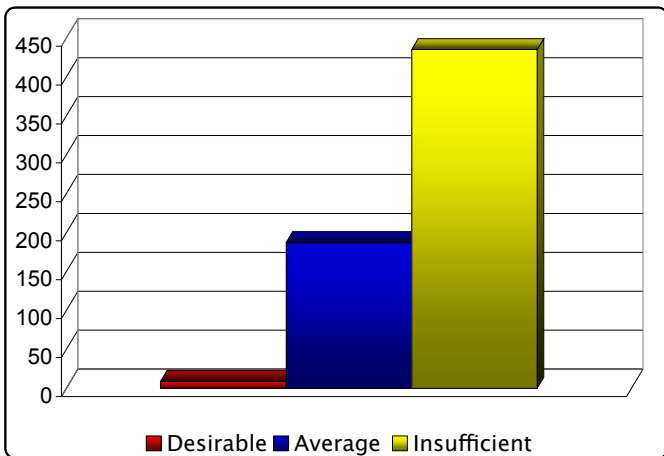
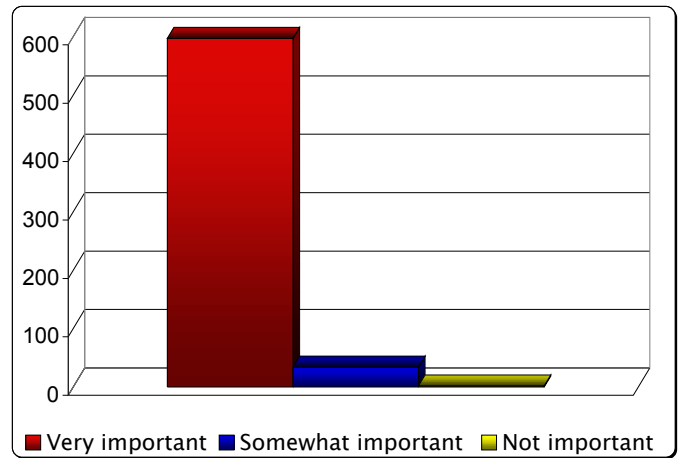
___ 0
___ 1
___ 2
___ 3
___ 4
___ 5+

7) Which terms most describe your current level of bicycling activity? (choose all that apply)

___ Not a bicyclist
___ Bicycle occasionally on-road for fitness, recreation, or short trips
___ Regular on-road recreational cyclist
___ Regular bike to bus commuter
___ Bicycle commuter
___ Regularly bicycle to various transportation destinations
___ Occasional off-road mountain biker
___ Regular off-road mountain biker

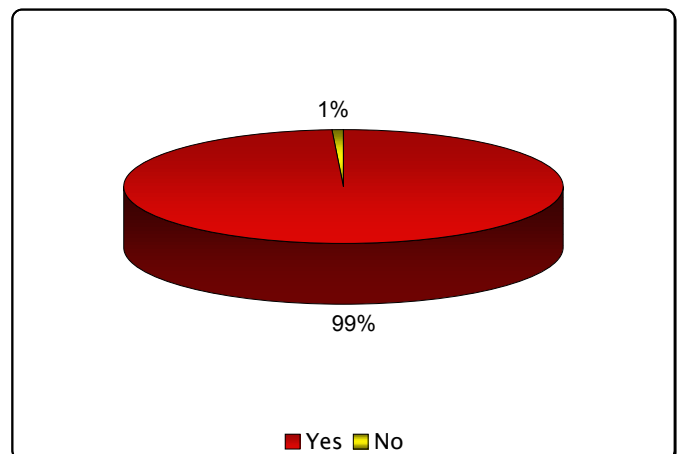
Figure A.13 - Graphic examples of Spanish and English public opinion forms

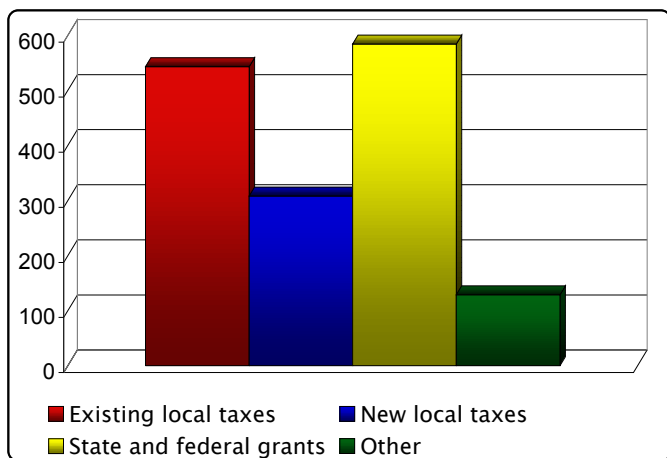
1. How important to you is the goal of improving conditions for bicycling in the community? (select one)



2. How do you rate present bicycling conditions in the Durham area? (select one)

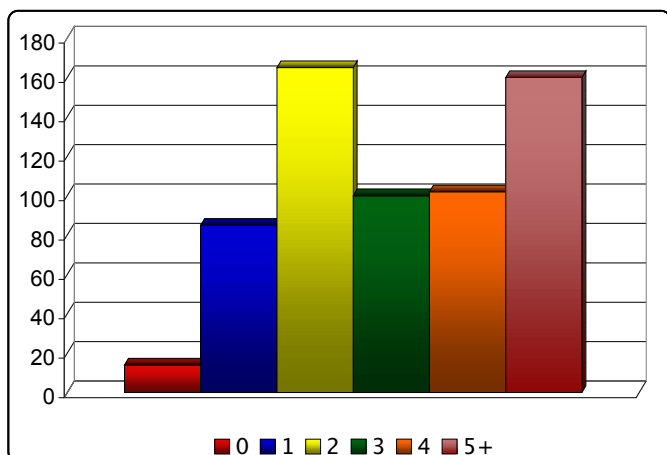
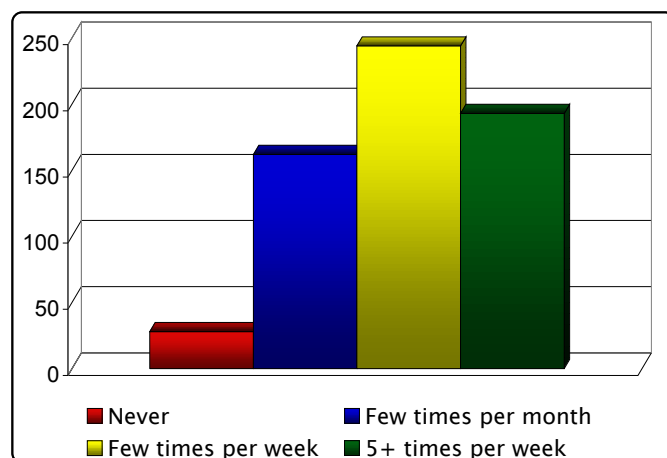
3. Should public funds be used to improve bicycle transportation options? (yes/no)





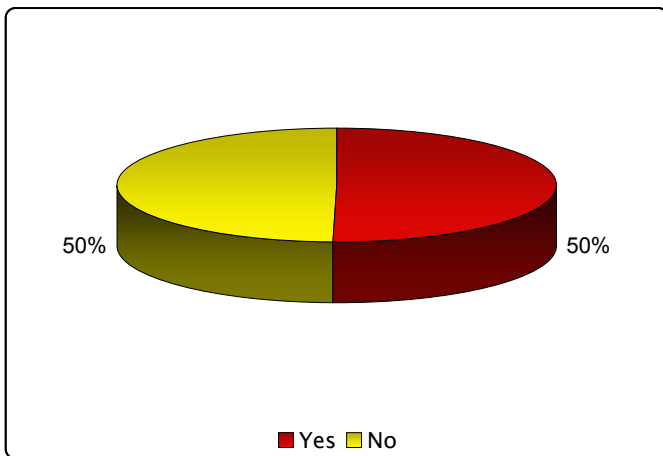
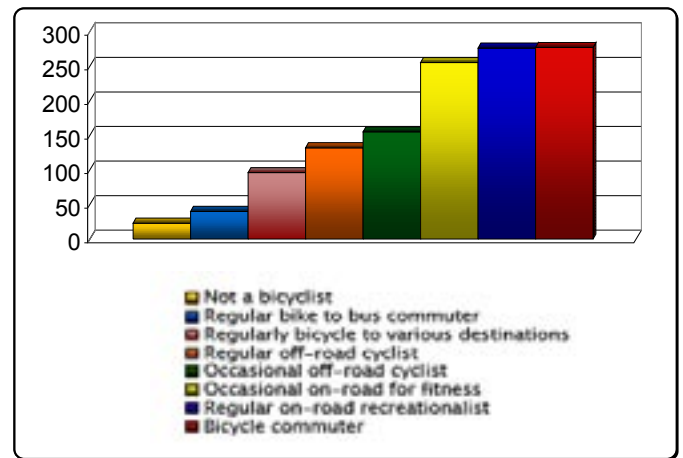
4. Which types of funds should be used to improve bicycle transportation options? (please chose all that apply)

5. How frequently do you bicycle? (select one)



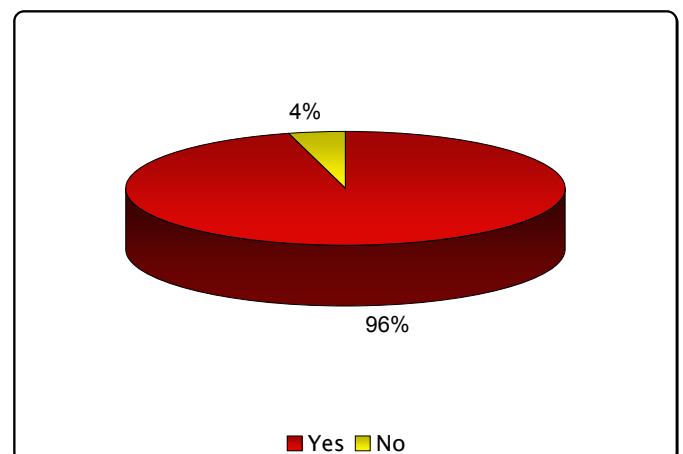
6. How many bicycles do you have in your household? (select one)

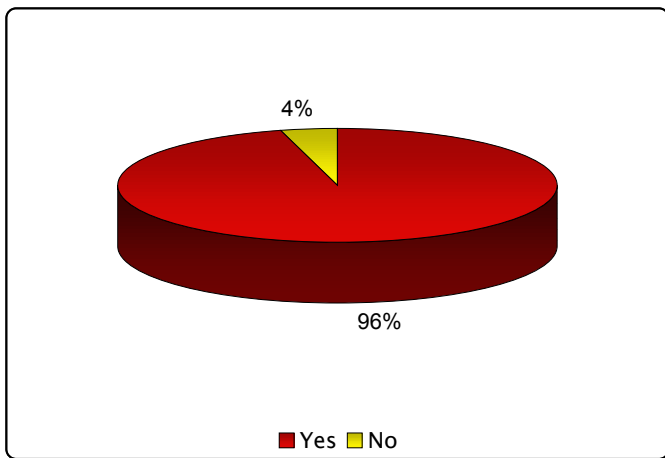
7. Which terms most describe your current level of bicycling activity? (choose all that apply)



8. Is there a bicycle trail or signed bicycle route near your home? (yes/no)

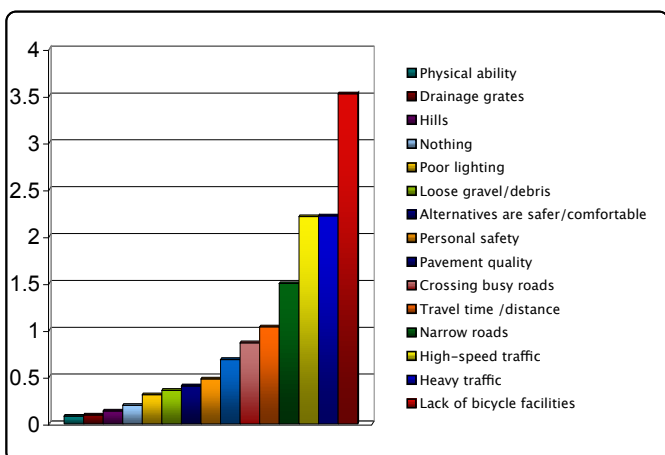
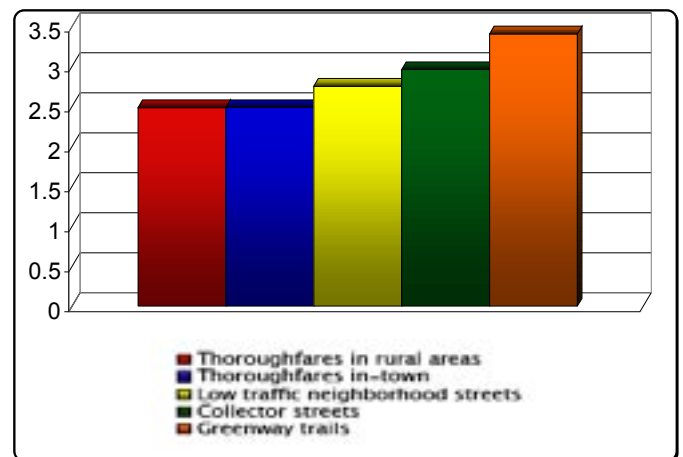
9. Do you ride on the bicycle trail or signed bicycle route near your home? (yes/no)





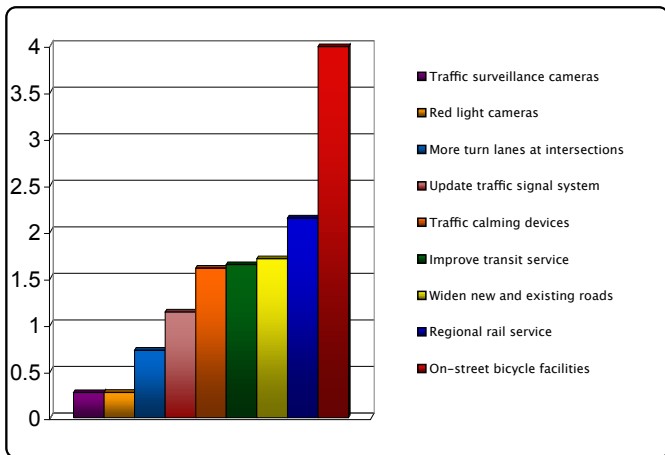
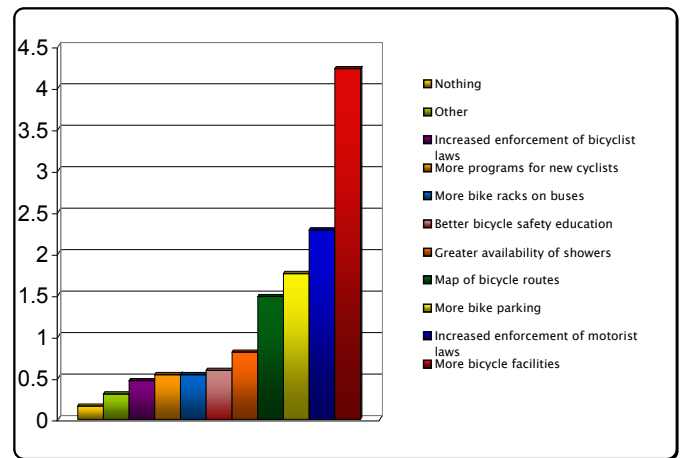
10. If there was a bicycle trail or signed bike route near your home would you ride on it? (yes/no)

11. What types of facilities would you most like to bicycle on? (rank order 1-5 with 1 being the highest priority)



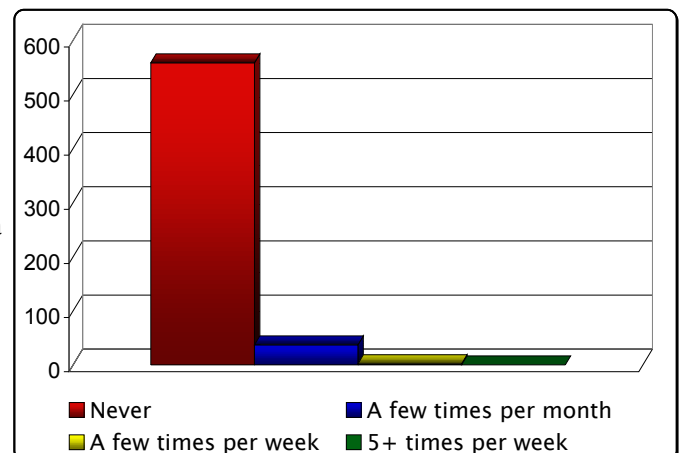
12. Which of the following factors prevent you from bicycling or from bicycling more often? (rank order 1-5 with 1 being the worst circumstance)

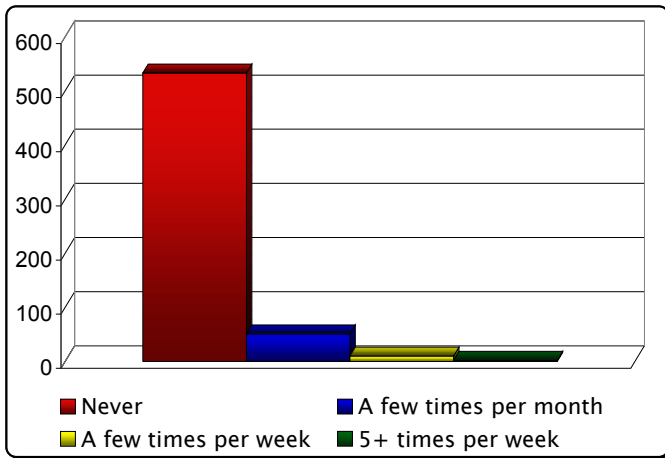
13. Which of the following changes would encourage you to bike more often? (rank order 1-5 with 1 being the highest priority)



14. Please rate the importance of each of the following transportation improvements in the Durham area. (rank order 1-5 with 1 being the highest priority)

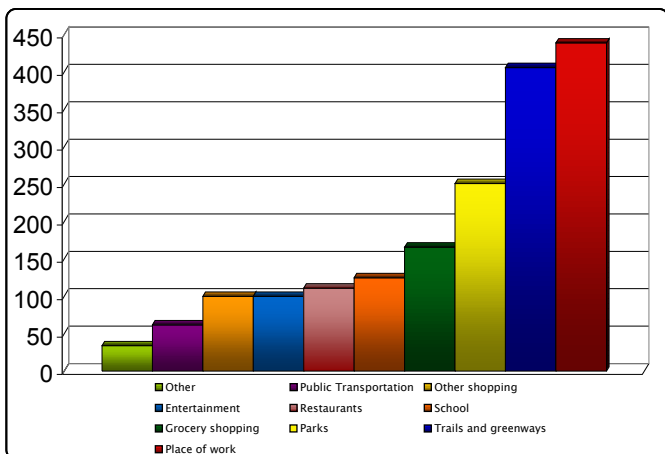
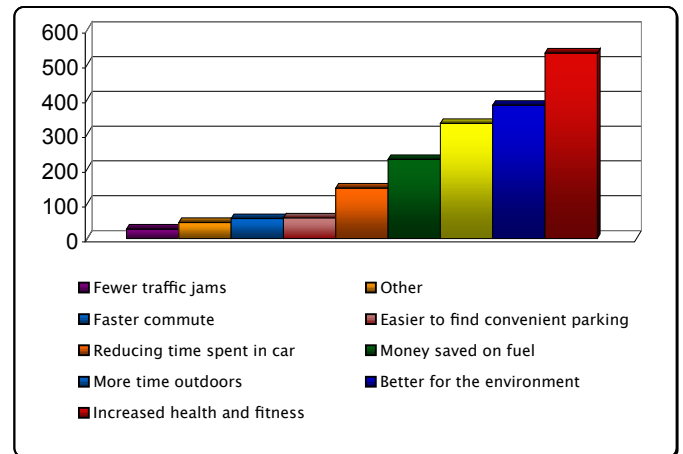
15. How often do you take your bike on a Durham Area Transit Authority (DATA) bus?





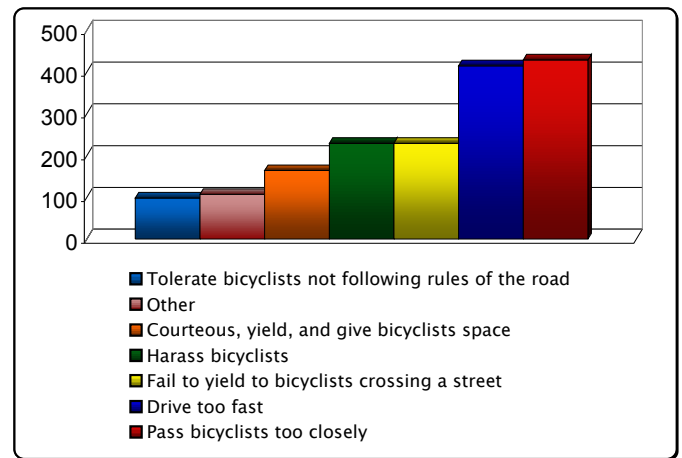
16. How often do you take your bike on a Triangle Transit Authority (TTA) bus?

17. Which aspect of biking is most appealing to you? (choose three)



18. What bicycling destinations would you most like to get to? (choose three)

19. How do you feel drivers in your area typically behave around bicyclists?
(Please check all that apply)



20. What do you think are the top two roadway intersections most needing bicycling improvements?

Street #1	Street #2	Number of Responses
Main St	Broad St	29
Fayetteville Rd	I-40	25
Fayetteville Rd	NC 54	23
Erwin Rd.	Alexander	18
Main St.	Ninth St.	17
Hwy 751	NC 54	16
NC 54	NC 55	13
Cole Mill Rd..	Hillsborough	12
Hwy 15-501	Garrett Rd..	12
Broad St..	Guess Rd..	11

21. What do you think are the top two roadway corridors most needing bicycling improvements?

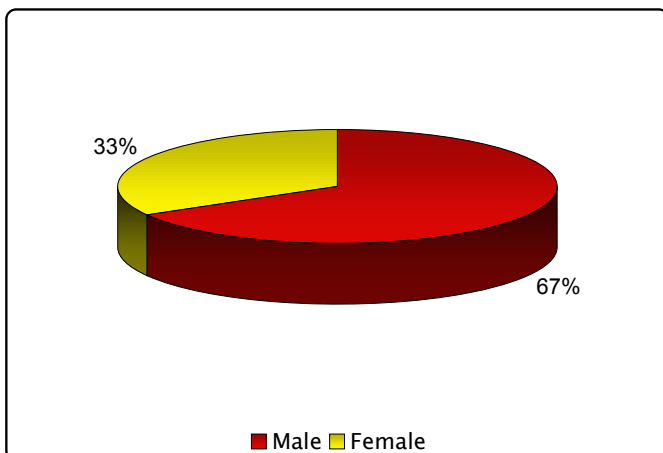
Road Corridor	Number of Responses
Erwin	82
NC 751 - Hope Valley	64
Main	36
Hillsborough	36
Hillandale	35
15-501	24
Moreene	18
University	16
Guess	15
Old Chapel Hill & Old Erwin	14 (each)

22. What other bicycle related improvements/programs do you consider priorities?

This open-ended question fielded a variety of responses. Common responses included more bicycle facilities and bicycle racks. A large number of people wanted to see the American Tobacco Trail completed as well. Connectivity, access, safety, and education/enforcement for bicyclists and motorists were other common themes and priorities listed by respondents.

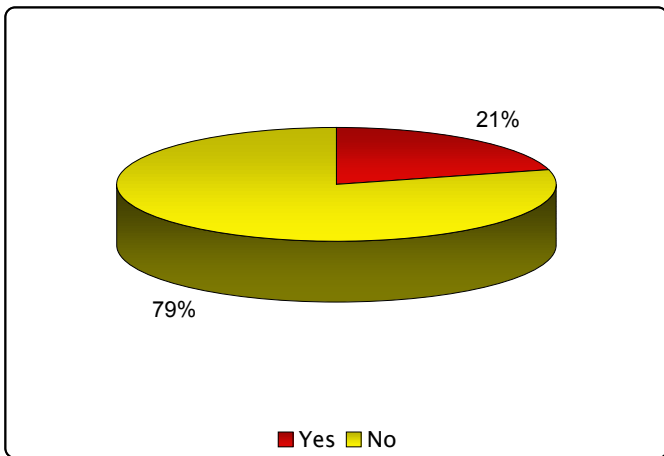
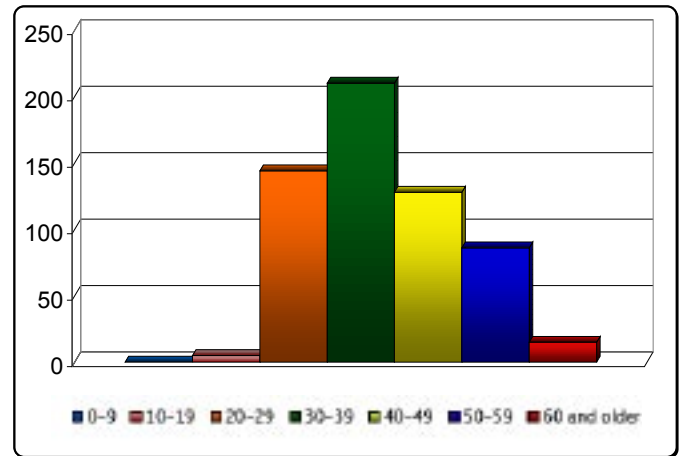
23. What is your zip code?

Zip Code	Number of Responses
27705	91
27707	87
27713	78
27701	54
27712	27
27703	18
27704	17
27516	12
27514	11
27510	11



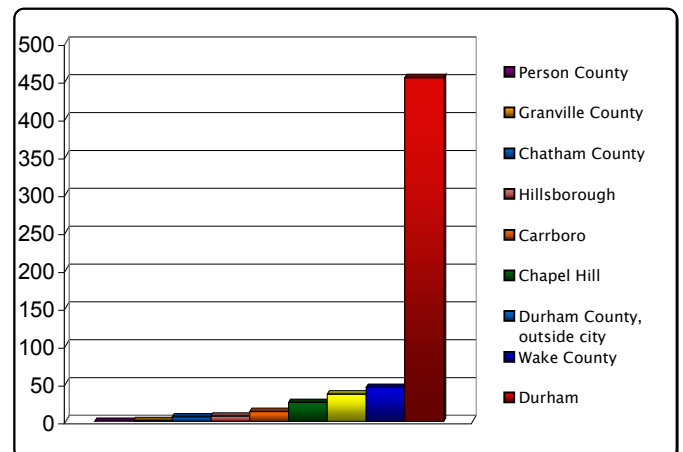
24. What is your gender?

25. What is your age?



26. Are you a student? (yes/no)

27. Where do you live? (select one)



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